

**PATENT ASSIGNMENT RECORDATION COVER SHEET**

To the Honorable Commissioner of Patents and Trademarks:

Please record the attached original document or copy thereof.

1-511 U.S. PTO  
09/358738

1. Name of conveying party(ies):  
 Craig S. Chamberlain, Dean E. Feyma,  
 Steven J. Heilig, and Elaine M. Yorkgitis

2. Name and address of receiving party(ies)

Minnesota Mining and Manufacturing Company  
 P.O. Box 33427  
 St. Paul, Minnesota 55133-3427

Additional names of conveying party(ies) attached?

☒ Yes ☐ No3. Nature of conveyance: ☒ AssignmentExecution Date(s): September 5, 1997;September 11, 1997; September 9, 1997; andSeptember 4, 1997

DUE DATE(S) \_\_\_\_\_

ATTORNEY

DOCKETED

SAB  
RJR

4. Application number or patent number:

☐ This document is being filed with a new patent application on \_\_\_\_\_.☒ This document is to be recorded against the following patent application or patent: 08/832,652

5. Name and address of party to whom correspondence concerning document should be mailed:

Scott A. Bardell  
 Minnesota Mining and Manufacturing Company  
 Office of Intellectual Property Counsel  
 P.O. Box 33427  
 St. Paul, Minnesota 55133-3427

6. Total number of applications and patents involved:

1

x \$40.00

\$40.00

7. Total fee (37 CFR 3.41) . . . \$40.00 . Please charge it to Deposit Account No. 13-3723

**DO NOT USE THIS SPACE**

8. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Scott A. Bardell

Printed Name of Attorney

Signature

SEPTEMBER 24 1997

Date

Total number of pages including cover sheet, attachments, and document:

3

Scott A. Bardell

SEP 29 1997

ASSIGNMENT

Whereas We, the below named inventors, with residences and citizenships as indicated below, have made an invention in

**METHOD FOR MEASURING STRESS LEVELS IN POLYMERIC COMPOSITIONS**

and have executed an application for Letters Patent of the United States of America based thereon; which application is identified in the United States Patent and Trademark Office as U.S. Application Serial No. 08/832,652, filed April 4, 1997;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, we have individually and jointly agreed to assign and transfer and do hereby assign and transfer unto the MINNESOTA MINING AND MANUFACTURING COMPANY (sometimes designated as the Minnesota Mining & Manufacturing Company), a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by us or any of us or made jointly with others (provided any such improvement is made during, or within one year after the termination of, the employment by the said Company of whichever of us, solely or jointly with one or more others, has made the same), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by us or any of us had this assignment and transfer not been made,

We do further agree for ourselves and for our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as we lawfully may, that may be deemed necessary by the said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries;

And we do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to the said Minnesota Mining and Manufacturing Company, as the assignee of the entire right, title, and interest therein.

In witness whereof, we have hereunto signed our names on the days and years set forth below.

*Craig S. Chamberlain*

Craig S. Chamberlain

Residence: Woodbury, Minnesota, U.S.A.

Citizenship: United States of America

STATE OF MINNESOTA )

) ss.

COUNTY OF RAMSEY )

On this 5<sup>th</sup> day of September 1997, before me personally appeared the above-named Craig S. Chamberlain, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed, on the day and year aforesaid.



*Kathleen M. Goers*

Notary Public

Dean E. Feyma  
 Dean E. Feyma  
 Residence: Sandstone, Minnesota, U.S.A.  
 Citizenship: United States of America

STATE OF MINNESOTA )  
 ) ss.  
 COUNTY OF RAMSEY )

On this 11<sup>th</sup> day of September 1997, before me personally appeared the above-named, Dean E. Feyma personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed, on the day and year aforesaid.



Kathleen M. Goers  
 Notary Public

Steven J. Heilig  
 Steven J. Heilig  
 Residence: St. Paul, Minnesota, U.S.A.  
 Citizenship: United States of America

STATE OF MINNESOTA )  
 ) ss.  
 COUNTY OF RAMSEY )

On this 9<sup>th</sup> day of September 1997, before me personally appeared the above-named, Steven J. Heilig personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed, on the day and year aforesaid.

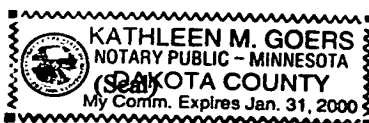


Kathleen M. Goers  
 Notary Public

Elaine M. Yorkgitis  
 Elaine M. Yorkgitis  
 Residence: St. Paul, Minnesota, U.S.A.  
 Citizenship: United States of America

STATE OF MINNESOTA )  
 ) ss.  
 COUNTY OF RAMSEY )

On this 4<sup>th</sup> day of September 1997, before me personally appeared the above-named Elaine M. Yorkgitis, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed, on the day and year aforesaid.



Kathleen M. Goers  
 Notary Public

16511 U.S. PTO  
 09/358738  
 07/21/99
**PATENT ASSIGNMENT RECORDATION COVER SHEET**

To: The Commissioner of Patents and Trademarks:

Please record the attached original document or copy thereof.

**Submission Type:**

- ☒ New
- ☐ Resubmission (Non-Recordation):  
Document ID#
- ☐ Correction of PTO Error: Reel # \_\_\_\_\_ Frame #
- ☐ Corrective Document: Reel # \_\_\_\_\_ Frame #

**Conveyance Type:**

- ☒ Assignment DUE DATE(S) \_\_\_\_\_
- ☐ Other: ATTORNEY DOCKETED BES  
pt

**Name of conveying party(ies)****Execution Date**  
(Month/Day/Year)
 Minnesota Mining and  
 Manufacturing Company  
 (a Corporation of Delaware)

 9/4/97, 9/5/97,  
 9/9/97, and 9/11/97
**Name and address of receiving party(ies):**
 3M Innovative Properties Company  
 P.O. Box 33427  
 St. Paul, Minnesota 55133-3427
**Additional names of conveying party(ies) attached?**

- ☐ Yes ☒ No

**Application number or patent number:**

- ☐ This document is being filed with a new patent application on
- ☒ This document is to be recorded against the following patent application or patent: 08/832,652

**Patent Cooperation Treaty (PCT):**Enter PCT application number only if a U.S. Application Number has not been assigned:**Name and address of party to whom correspondence concerning document should be mailed:**
 Name: Brian E. Szymanski, Phone Number: (651) 737-9138  
 Office of Intellectual Property Counsel  
 3M Innovative Properties Company  
 P.O. Box 33427  
 St. Paul, Minnesota 55133-3427
**Number of Properties:**

Enter the total number of properties involved

1

**Fee Amount:**

Fee Amount for Properties Listed (37 CFR 3.41)

X \$40.00

**Method of Payment:**

☒ Charge to Deposit Account No. 13-3723

Authorization to charge additional fees: ☒ Yes ☐ No

= \$40.00

**DO NOT USE THIS SPACE****Statement and signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Brian E. Szymanski

Printed Name of Attorney

Signature

Date

6/21/99**Pages:**

Total number of pages of the attached conveyance document including any attachments

2

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents &amp; Trademarks, Box Assignments, Washington, D.C. 20231

## ASSIGNMENT

ASSIGNOR: MINNESOTA MINING AND MANUFACTURING COMPANY  
of: PO Box 33427  
St. Paul, Minnesota 55133-3427  
United States of America

a corporation organized and existing under the laws of the State of Delaware, United States of America does hereby claim and declare that it is the owner of all right, title and interest in and to the following Patent Application(s) or letters Patents(s) and other rights and powers obtainable or exercisable in respect thereof as numbered in United States Patent(s) and /or Patent Application(s):

Patent Application or Patent Number  
08/832,652

Filing Date or Issue Date  
4/4/97

Minnesota Mining and Manufacturing Company does hereby, for good and valuable consideration, effective as of April 1, 1999 received, sell, assign and transfer unto:

ASSIGNEE: 3M INNOVATIVE PROPERTIES COMPANY  
of: PO Box 33427  
St. Paul, Minnesota 55133-3427  
United States of America

a corporation organized and existing under the laws of the State of Delaware, United States of America, its entire right, title and interest in and to the said Patent Application(s) or Letters Patent(s) including any division, continuation (in whole or in part) reissue or reexamination thereof, and consent to the recordal of this Assignment.

### ASSIGNOR

Subscribed and Sworn:

At St. Paul, Minnesota 55133-3427

this 17<sup>th</sup> day of June, 1999.

MINNESOTA MINING AND  
MANUFACTURING COMPANY

By: Carolyn A. Bates

Name: Carolyn A. Bates

Its: Assistant Chief Intellectual  
Property Counsel

Subscribed and sworn to before me this

17<sup>th</sup> day of June, 1999

Cheryl A. Saver  
Notary Public



### ASSIGNEE

Accepted:

At St. Paul, Minnesota 55133-3427

this 18<sup>th</sup> day of June, 1999.

3M INNOVATIVE PROPERTIES  
COMPANY

By: Gary L. Griswold

Name: Gary L. Griswold

Its: President and Chief Intellectual  
Property Counsel

Subscribed and sworn to before me this

18<sup>th</sup> day of June, 1999.

Jean S. Kistler  
Notary Public

